

L Number	Hits	Search Text	DB	Time stamp
1	166	556/401	USPAT; US-PGPUB	2004/09/15 09:01
2	170736	phenol	USPAT; US-PGPUB	2004/09/15 09:01
3	21	phenol and 556/401	USPAT; US-PGPUB	2004/09/15 09:01

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(FILE 'HOME' ENTERED AT 08:03:31 ON 15 SEP 2004)

FILE 'REGISTRY' ENTERED AT 08:03:36 ON 15 SEP 2004

L1 STRUCTURE uploaded
L2 STRUCTURE uploaded
L3 STRUCTURE uploaded
L4 14 S L2
L5 5 S L2 CSS
L6 SCREEN 2127
L7 STRUCTURE uploaded
L8 QUE L7 NOT L6
L9 10 S L8
L10 1 S L8 CSS
L11 3 S L1
L12 14 S L2
L13 50 S L3
L14 180 S L1 FUL
L15 14438 S L3 FUL
L16 737 S L2 CSS FUL
L17 98 S L8 CSS FUL

FILE 'CPLUS' ENTERED AT 08:09:51 ON 15 SEP 2004

L18 101 S L17
L19 934516 S STABILI?
L20 21 S L19 AND L18
L21 12507 S L14 OR L15
L22 0 S L21 AND L20
S L7

FILE 'REGISTRY' ENTERED AT 08:12:09 ON 15 SEP 2004

L23 14 S L7

FILE 'CPLUS' ENTERED AT 08:12:10 ON 15 SEP 2004

L24 15 S L23
L25 0 S L21 AND L18

=> d 11

L1 HAS NO ANSWERS

L1 STR

CH₂—O—G1—Si

G1 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> d 13

L3 HAS NO ANSWERS

L3 STR



CH₂—O—G1—Si

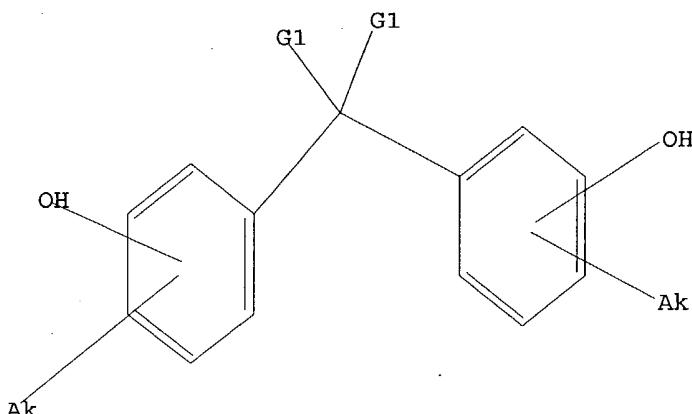
G1 Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> d 17

L7 HAS NO ANSWERS

L7 STR



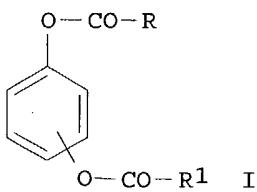
G1 H, Ak

Structure attributes must be viewed using STN Express query preparation.

=> d bib abs 120 1-21

L20 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:314631 CAPLUS
DN 132:341248
TI Heat-sensitive recording material
IN Heneghan, Michael; Kirk, Roy Alan; Taylor, James Philip
PA Ciba Specialty Chemicals Holding Inc., Switz.
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026037	A1	20000511	WO 1999-EP7895	19991019
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9964737	A1	20000522	AU 1999-64737	19991019
PRAI	GB 1998-23753	A	19981030		
	GB 1998-27566	A	19981216		
	WO 1999-EP7895	W	19991019		
OS	MARPAT 132:341248				
GI					



AB A heat-sensitive recording material comprises (a) at least one color-forming compound selected from the group consisting of 3-diethylamino-6-methyl-7-(3-methylanilino)fluoran, 3-dibutylamino-6-methyl-7-anilinofluoran, 3-dipentylamino-6-methyl-7-anilinofluoran, 3-(N-methyl-N-propylamino)-6-methyl-7-anilinofluoran, 3-(N-ethyl-p-toluidino)-6-methyl-7-anilinofluoran, and 3-(N-ethyl-N-isoamylamino)-6-methyl-7-anilinofluoran, (b) at least one sensitizer of the formula I (R, R¹ = C₁-6 alkyl, and (c) at least one color developer.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:553874 CAPLUS

DN 127:227122

TI Method for improving light-fastness of reversible thermochromic compositions at the time of color extinguishment

IN Fujita, Katsuyuki; Ona, Yoshiaki; Shibahashi, Yutaka

PA Pilot Ink Co., Ltd., Japan

SO Eur. Pat. Appl., 76 pp.

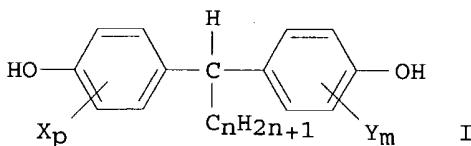
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 789066	A2	19970813	EP 1997-300737	19970205
	EP 789066	A3	19970924		
	R: DE, FR, GB, IT				
	JP 09208850	A2	19970812	JP 1996-53588	19960206
	US 5879438	A	19990309	US 1997-791420	19970130
	CA 2196513	AA	19970807	CA 1997-2196513	19970131
	CA 2196513	C	20040217		
PRAI	JP 1996-53588	A	19960206		
OS	MARPAT 127:227122				
GI					



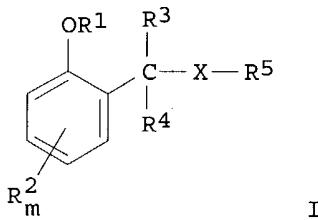
AB Reversible thermochromic compns. comprise: an electron-donating compound; an optional electron-accepting compound; a metachromatic temperature adjuster; an electron-accepting light-fastness providing agent represented by the general formula I (n = 5-17, forming a straight-chain or branched alkyl; X, Y = C₁-4 straight-chain or branched alkyl group, or halo; and p and m each = 0-3) in the amount of 0.3-70 weight parts based on 1.0 weight part of the

1-40 %; j = 0-49 %; M1, M2 = vinyl acetal; R1 = H, alkyl] in the other layer(s).

L20 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:123841 CAPLUS
DN 124:160292
TI Silver halide color photographic materials with excellent color image storage **stability**
IN Seto, Nobuo; Morigaki, Masakazu
PA Fuji Photo Film Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 56 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 07333797	A2	19951222	JP 1994-153092	19940613
PRAI JP 1994-153092		19940613		

GI



AB The title materials contain at least one kinds of compds., I (R1 = H, aliphatic, acyl, arylsulfonyl; R2 = H, substituent; R3, R4 = H, aliphatic, aryl; R5 = aliphatic, aryl, acyl, aryloxycarbonyl, carbamoyl, arylsulfonyl, sulfamoyl; X = O, S; m = 1-4) in a layer(s) on a support.

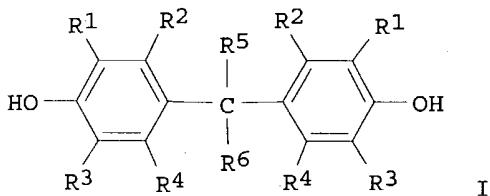
L20 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:867857 CAPLUS
DN 123:270676
TI Silver halide color photographic material with high sensitivity, excellent processing **stability** and storage **stability**
IN Sugita, Shuichi
PA Konishiroku Photo Ind, Japan
SO Jpn. Kokai Tokkyo Koho, 26 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 07219171	A2	19950818	JP 1994-10610	19940201
PRAI JP 1994-10610		19940201		

GI

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 06116555	A2	19940426	JP 1992-271473	19921009
PRAI JP 1992-271473		19921009		
OS MARPAT 121:241946				
GI				



AB The optical **stabilizing** agents are represented by I [R1-4 = H, alkyl; R5,6 = H, alkyl, perfluoroalkyl; T5 and R6 may form ring].

L20 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:535413 CAPLUS

DN 121:135413

TI Studies on the heat **stability** of bismaleimide resin system

AU Zhao, Jiaxiang; Zhang, Min; Zhu, Datong; Zhang, Ruizhu; Ding, Guangan
CS Beijing Inst. Mater. Technol., Minist. Aeronaut. and Astronaut. Ind.,
Beijing, Peop. Rep. China

SO Reguxing Shuzhi (1992), 7(2), 13-17
CODEN: RESHEQ; ISSN: 1002-7432

DT Journal

LA Chinese

AB The thermal **stability** of diaminodiphenylmethane (DDM)-type bismaleimide was much better than that of allyl bisphenol A (I). With increasing content of I, the thermal **stability** of the resin reduced. The heat **stability** of the resin was not affected by the degree of the prepolyrn., but greatly reduced by the addition of DDM into the system.

L20 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:422553 CAPLUS

DN 121:22553

TI Positive-working photoresist compositions providing pattern with good dimensional **stability**

IN Kawabe, Yasumasa; Uenishi, Kazuya; Kokubo, Tadayoshi

PA Fuji Photo Film Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

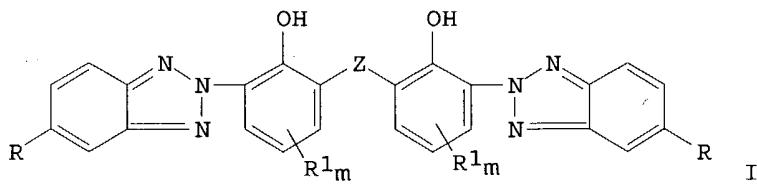
CODEN: JKXXAF

DT Patent

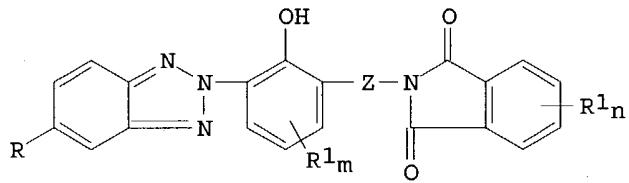
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05341509	A2	19931224	JP 1992-144395	19920604
JP 2753921	B2	19980520		
US 5360692	A	19941101	US 1993-70795	19930603
PRAI JP 1992-144395		19920604		
OS MARPAT 121:22553				
GI				



I



II

AB The title compns. comprise an alkali-soluble resin, a 1,2-naphthoquinonediazide compound, and 0.1-10 weight% of the total solids of ≥ 1 light-absorbing agent selected from I and II (R = H, halo, alkyl, aralkyl, alkoxy, acyl, aryl; Z = bond, alkylene, O, S, SO₂, CO; R₁ = H, alkyl, aralkyl; m = 1-3; n = 1-4). The compns. provide resist patterns with good dimensional **stability**.

L20 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1993:570368 CAPLUS

DN 119:170368

TI Color-image fading and discoloration suppressed photographic material

IN Seto, Nobuo; Morigaki, Masakazu

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 65 pp.

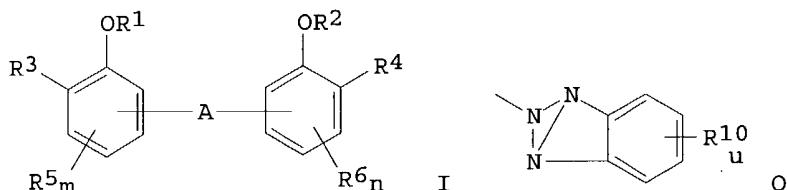
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04340960	A2	19921127	JP 1991-140738	19910517
	US 5294530	A	19940315	US 1992-883269	19920514
PRAI	JP 1991-140738		19910517		
GI					



AB The title photog. material contains in the same layer ≥ 1 yellow couplers and ≥ 1 I [A = simple bond, O, S(O)p; substituted methylene NR₁, (R₁ = H, aliphatic group, aliphatic or aromatic acyl, sulfonyl, oxycarbonyl);

p = 0.2; R₁, R₂ = H, aliphatic group, COR₈, SO₂R₈, PR₈R₉, POR₈R₉ (R₈, R₉ = aliphatic or aromatic group, aliphatic or oxy aromatic); R₃, R₄ = halo, aromatic group,

heterocycl, oxy- or thioaliph. or aromatic acyl, aliphatic (aromatic)

oxycarbonyl, acylamino, sulfonamido, acyloxy, sulfonyl, sulfonyloxy,

oxycarbonylamino), imido, carbamoylamines, sulfamoylamino, carbamoyl,

sulfamoyl, Q (R₁₀ = substituent; u = 0-2); R₅, R₆ = R₃, aliphatic group; m, n

= 1-3; multiple R5, R6 may be same or different when m, n ≥ 2; R1 with R3, R1 with R2 R2 with R4, R3 with R5, or R4 with R6 may bond to form a 5-8-membered ring].

L20 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1992:436415 CAPLUS

DN 117:36415

TI Silver halide photographic material

IN Kubota, Toru; Sugita, Shuichi; Asatake, Atsushi; Mizukura, Noboru

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

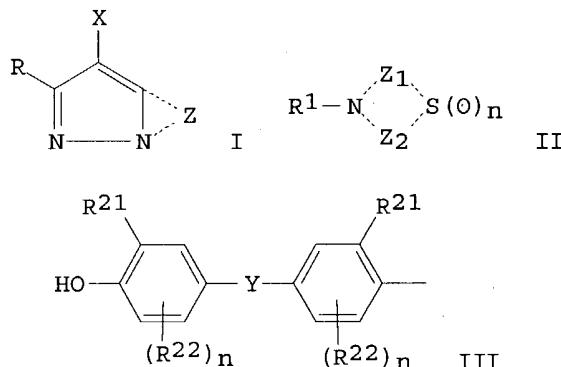
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03144444	A2	19910619	JP 1989-284364	19891030
PRAI	JP 1989-284364		19891030		

GI



AB A stable Ag halide photog. material contains a magenta coupler I (Z = nonmetallic atoms for forming a N-containing (un)substituted heterocyclic ring; R = H, a substituent; X = H, a group being released upon reaction with an oxidized color developer) and a **stabilizer** II (R1 = aryl, a heterocyclic group; Z1, Z2 = C1-3 alkylene with 3-6 total C number; n = 1, 2) or III (R21 = sec or tert alkyl, sec or tert alkenyl, cycloalkyl, aryl; R22 = halo, alkyl, alkenyl, cycloalkyl, aryl; n = 0-3; Y = S, SO, SO2, alkylene).

L20 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:651619 CAPLUS

DN 115:251619

TI Ink compositions for printing on test element for occult blood detection

IN Tsuji, Nobuyuki; Oka, Motohiro

PA Dai Nippon Printing Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03048157	A2	19910301	JP 1989-182524	19890717
	JP 2777406	B2	19980716		

PRAI JP 1989-182524

19890717

AB The title ink composition comprises: (1) a test reagent which is reactive with occult blood, (2) a polar color reagent, (3) a water-absorbing agent and/or (4) a protein-adsorbing agent. Thus, an ink containing 3,3',5,5'-tetramethylbenzidine (oxidizable color indicator), butylcellosolve acetate, amyl alc./PEG 2000, 2,2'-methylenebis-(6-tert-butyl-p-cresol), lauryl sulfate triethylamine, citric acid/Na citrate/amyl alc. buffer, polyvinylpyrrolidone/ Elics BX-1/amyl alc. binder, Ca₃(PO₄)₂, hydroxyapatite, KI gel201K-F2 (water absorbent), cumene hydroperoxide microcapsules and 6-methoxyquinoline (sensitizer) microcapsules was printed on a polystyrene sheet to form a test strip. The test strip used in assays of urine samples containing various concns. of human Hb showed clear and uniform color development and the storage **stability** for long time.

L20 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:472490 CAPLUS

DN 115:72490

TI Self-antioxidant and weather-resistant copolycarbonates and preparation

IN Masumoto, Mitsuhiro; Kanayama, Satoshi

PA Mitsubishi Gas Chemical Co., Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03039326	A2	19910220	JP 1989-174904	19890706
PRAI	JP 1989-174904		19890706		

AB Title copolycarbonates are prepared by solution polymerization and contain units

derived from benzotriazolylbisphenols in addition to bisphenols. Thus, heating 2-benzotriazolyl-4-tert-octylphenol (I) 32.3 with Et₂N 11.0 and paraformaldehyde 5.2 g in 25 mL BuOH at reflux for 24 h gave an intermediate 2-(diethylaminomethyl)-4-(tert-octyl)-6-benzotriazolylphenol (II). Heating 37 g II with 25 g I in 60 mL xylene in the presence of 28% NaOMe solution gave 2,2'-methylenebis(4-tert-octyl-6-benzotriazolylphenol (III). A copolymer was prepared by phosgenation of III 2.1 and bisphenol A 6.5 with COCl₂ 3.6 kg in CH₂Cl₂.

L20 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:418484 CAPLUS

DN 115:18484

TI Silver halide light-sensitive photographic material

IN Sugita, Shuichi; Mizukura, Noboru; Kohno, Junichi; Kadokura, Kenzi; Tomotake, Atsushi

PA Konica Co., Japan

SO Eur. Pat. Appl., 41 pp.

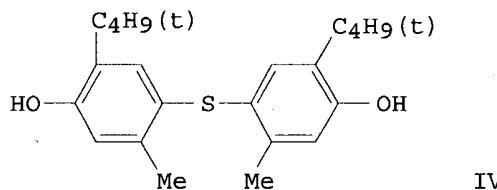
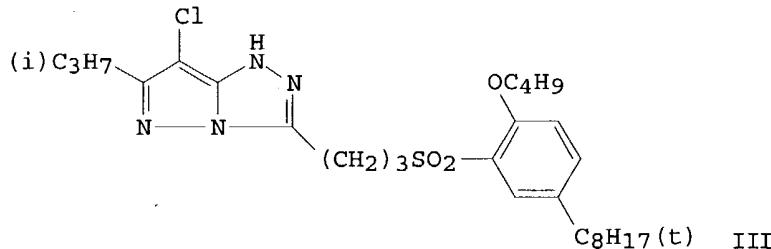
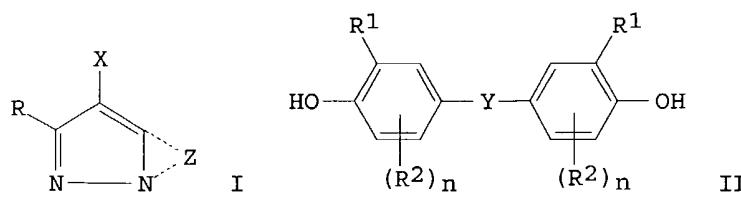
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 391341	A2	19901010	EP 1990-106354	19900403
	EP 391341	A3	19920311		
	R: DE, GB				
	JP 03039956	A2	19910220	JP 1989-238889	19890913
	US 5063148	A	19911105	US 1990-503539	19900403
PRAI	JP 1989-89304		19890407		
OS	MARPAT 115:18484				
GI					



AB A color photog. material is described containing a magenta coupler from I [Z = nonmetallic atomic group to form N-containing heterocyclic ring; X = H, halogen, split off group; R = H, substituent] and ≥ 1 color image stabilizer from II [R1 = sec- or tert-alkyl or alkenyl, cycloalkyl, aryl; R2 = halogen, alkyl, alkenyl, cycloalkyl, aryl; n = 0-3; Y = S, SO₂, SO, alkylene]. The above material produces dye images of improved light-fastness and noncolor portion free from Y-stain. In an example, III (coupler) and IV (stabilizer) were used in a photog. paper.

L20 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:33175 CAPLUS

DN 114:33175

TI Two-color thermal recording materials using phenolic compound color developer

IN Yoshizawa, Katsuaki; Ishida, Katsuhiko; Okimoto, Satoyuki

PA Kanzaki Paper Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01288483	A2	19891120	JP 1988-120303	19880516

PRAI JP 1988-120303 19880516

GI For diagram(s), see printed CA Issue.

AB Two-color thermal recording materials are prepared by laminating successively a high-temperature coloring layer, an intermediate layer containing a

decoloring agent, and a low-temperature coloring layer on a support. The coloring layers contain a leuco dye and ≥ 1 phenolic compound of the

structure I (R-R₃ = H, C1-4 alkyl) as the color developer. The recording substances exhibit high sensitivity and provide clear color images. Thus, a paper support was 1st coated with a composition containing 3-diethylamino-7-chlorofluorán, I (R-R₃ = H) (II), and UW-90 (kaolin), then coated with a composition containing tetrakis(1,2,2,6,6-pentamethyl-4-piperidyl)-1,2,3,4-butanetetracarboxylate, and finally coated with a composition containing 3-(N-ethyl-N-isoamylamino)-6-methyl-7-phenylaminofluorán, dibenzyl terephthalate, II, and Mizukasil P-527 (SiO₂) to give a thermal recording paper. The paper gave clear black and red images and showed good storage stability.

L20 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1990:515319 CAPLUS

DN 113:115319

TI Preparation of bis(1,3-benzodioxanyl)alkanes for prevention of light-bleaching of organic coloring materials

IN Kita, Hiroshi; Kaneko, Yutaka

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

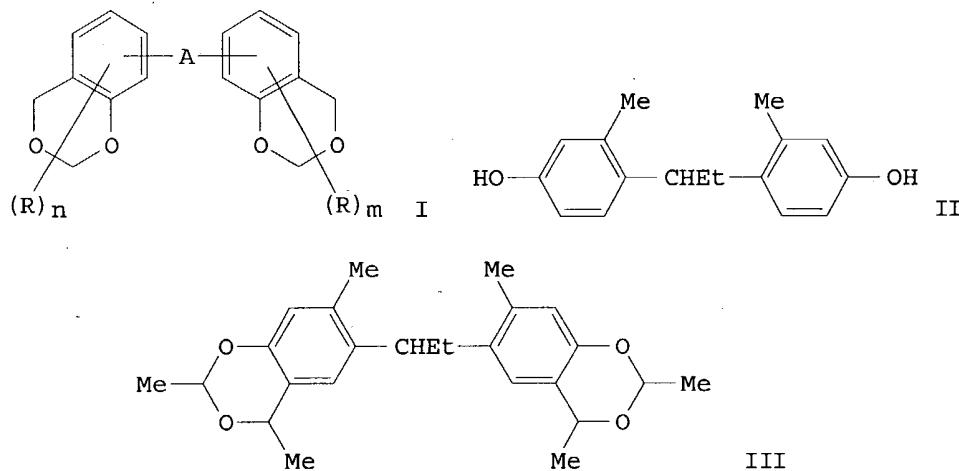
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02015074	A2	19900118	JP 1988-162688	19880701
PRAI	JP 1988-162688		19880701		
OS	MARPAT 113:115319				
GI					



AB The title compds. [I; R = halo, (cyclo)alkyl, aryl, acylamino, SO₂NH₂, alkylthio, arylthio, (cyclo)alkenyl, aryloxy, heterocyclyl, acyl, cyano, OH, (cyclo)alkoxy, siloxy, heterocyclxy, spiro compound or bridged hydrocarbon residue; m, n = 0-7; when m + n ≥ 2, R can be same or different; A = bond, (un)substituted straight C1-6alkylene], which improves light-stability of pigments, dyes, or color photog. images, are prepared Thus, EtCHO and concentrated HCl were added to a solution of

3-MeC₅H₄OH in EtOH. After refluxing 3 h, an intermediate II was obtained, which was stirred 4 h at 5-6° with MeCHO in concentrated HCl to give bis(benzodioxanyl)propane III. Used in a color photog. material, I were

effective in **stabilizing** the magenta dye image and also improved Y-stain in the unexposed parts.

L20 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1987:608875 CAPLUS

DN 107:208875

TI Photoresist compositions and pattern formation method

IN Oie, Masayuki; Ogawa, Satoshi; Sugimoto, Sadao; Yamazaki, Masahiro; Fujino, Katsuhiro

PA Nippon Zeon Co., Ltd., Japan; Fujitsu Ltd.

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 62067532	A2	19870327	JP 1985-206567	19850920
PRAI JP 1985-206567		19850920		

AB Photoresists contain (cyclized) conjugated diene polymers, solvent-soluble photocrosslinking agents, and hydrazones (as antihalation agents). The patterning method involves coating a support with a solution of the composition and exposure through a pattern mask. The compns. and the method provide well reproduced patterns without defects on glossy supports with steps without rigorous control of prebaking conditions. Thus, a xylene solution containing cyclized cis-1,4-polyisopropene 12, 2,6-bis(4'-azidobenzal)-4-methylcyclohexanone (photocrosslinking agent) 0.12, and PhCHO phenylhydrazone (I) (antihalation agent) 1 g was coated on an Al-coated Si support and prebaked (85°, 20 min) to form a 1-μ resist layer. Patternwise exposure, development in hexane, and rinsing in BuOAc gave patterns having 1.7-μ resolution. A control resist not containing I showed only 2.7-μ resolution and produced defects due to 'whiskers'.

L20 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1987:608874 CAPLUS

DN 107:208874

TI Photoresist compositions and patterning method

IN Oie, Masayuki; Ogawa, Satoshi; Sugimoto, Sadao; Yamazaki, Masahiro; Fujino, Katsuhiro

PA Nippon Zeon Co., Ltd., Japan; Fujitsu Ltd.

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

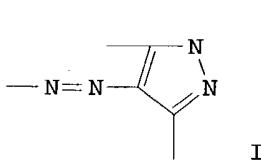
DT Patent

LA Japanese

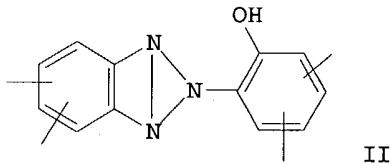
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 62067531	A2	19870327	JP 1985-206566	19850920
PRAI JP 1985-206566		19850920		

GI



I



II

AB Photoresist compns. contain (cyclized) conjugated diene polymers, solvent-soluble photocrosslinking agents, and antihalation agents having basic structures I and II. The patterning method involves coating a

support with a solution of the composition and exposure through a mask. The compns. and the method provide well-reproduced patterns without defects on glossy supports with steps, without rigorously controlled prebaking conditions. Thus, a xylene solution containing cyclized cis-1,4-polyisopropene 12, 2,6-bis(4'-azidobenzal)4-methylcyclohexanone (photocrosslinking agent) 0.36, 2,2'-methylenebis(4'-methyl-6-tert-butyl)phenol (**stabilizer**) 0.12, 1-phenyl-4-(2,5-dichlorophenylazo)-5-oxyprazole (III) 0.12, and 2-(2-hydroxy-3,5-di-tert-amylphenyl)benzotriazole (IV) 0.60 g was coated on an Al-coated Si support and prebaked (85°, 20 min) to form a 1- μ resist layer. Patternwise exposure through a mask, development in heptane, and rinsing in BuOAc gave a resist pattern with 1.7 μ resolution. A control resist prepared without addition of antihalation agents III and IV gave a pattern with only 2.5 μ resolution and showed whiskers.

L20 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1986:478941 CAPLUS

DN 105:78941

TI 2,2'-Methylenebis(4-hydrocarbyl-6-benzotriazolylphenols)

IN Kubota, Naohiro; Nishimura, Atsushi

PA Adeka Argus Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 16 pp.

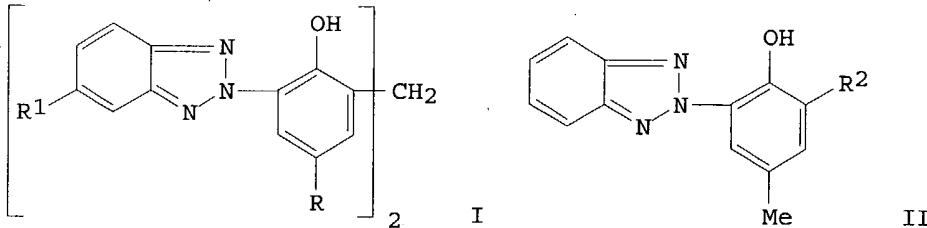
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 180993	A2	19860514	EP 1985-114203	19851107
	EP 180993	A3	19870325		
	EP 180993	B1	19910227		
	R: BE, CH, DE, FR, GB, LI, NL				
	JP 61115073	A2	19860602	JP 1984-236290	19841109
	JP 04058468	B4	19920917		
	US 4937348	A	19900626	US 1987-138998	19871229
PRAI	JP 1984-236290		19841109		
	US 1985-795385		19851106		
OS	CASREACT 105:78941				
GI					



AB The title compds. (I; R = alkyl, aralkyl, cycloalkyl; R1 = H, halo, alkyl, aryl, arylalkyl, alkoxy, aryloxy, arylalkoxy) were prepared as light **stabilizers** for plastics (no data). Thus, benzotriazolylphenol II (R² = H) underwent Mannich reaction with Et₂NH and H₂CO to give 99% II (R² = CH₂NET₂). This was refluxed in xylene with NaOMe to give 96% I (R = Me, R1 = H) of 91% purity.

L20 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1959:86812 CAPLUS

DN 53:86812

OREF 53:15622c-d

TI 2,2'-Methylenebis(5-isopropylphenol)
IN Bankert, Ralph A.
PA Hercules Powder Co.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2877210		19590310	US	

AB The title compound was prepared in 45.8% yield by refluxing 192 parts m-isopropylphenol, 40.6 parts of 37% aqueous HCHO, and 1.2 parts of 2N HCl for 2 hrs., extracting with ether, and distilling. It was a soft, yellow resin, b0.4-0.2 175-98°. It is a superior nonstaining antioxidant for rubber and other organic materials. Its value is due to the alkyl group in the meta position.

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